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Building and Operating Carrier Class Private Network

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KORE TEK

Trusted & **credentialed**

Backed by decades of **experience**

Kore-Tek has **integrated**, **migrated**, & **managed** some of today's most relied-upon public and private networks

With a **nationwide** footprint to support projects of any **complexity**, **Kore-Tek** is building the networks of the future.

Uniquely positioned with our key **Cisco** relationship to deliver & operate leading **next-generation optical networks**.

CISCO → KORE TEK → YOU!

NETWORKS ARE WHAT WE DO

Since 2011, our team has been transforming the country's largest public and private networks, including leading financial institutions.

Unmatched fiber optic expertise

- Pre-Deployment, Deployment & Managed Services leader
- Certifications
- Experience & Years in the industry
- Specialists in emerging technologies
- Key industry partnerships (Cisco)

Engineering excellence

- Financial industry experience
- Knowledge of complex networks
- Problem solvers
- Custom network solutions
- Operations and maintenance leaders

Customer satisfaction

- Trusted, guiding & supporting
- Treating your network like our own
- Making the most of your investment
- Getting it right the first time
- Keeping your network running strong

Often, people don't think about their network until there's a problem. At Kore-Tek we think about your network 24/7.

CHANGING NETWORK LANDSCAPE

Hub, spoke, and DCI connectivity models have evolved

➔ Point-to-Point Circuit Switching with CIR to

➔ Point-to-Multipoint L2/L3 Private WAN with CIR + QoS to

➔ Any to Any Software Defined Secure WAN over diverse Public Internet with Application based QoE & Burstability

Bandwidth demands on hubs have increased

Diverse Internet Connectivity from 2 or 3 ISPs to Support Reliable Spoke Connections

The transition to Dark Fiber for Data Center connectivity is essential for:

● Cloud Direct Connect

● IaaS (GPUs for Model Training)

● DC to DC Backdoor Transport Acting as TSP Bypass for Corporate Hub Interconnection

● Hosting

NETWORKS ARE UNDER GROWING PRESSURE

➔ **Security:** Quantum safe, shadow IT, compliance

➔ **AI:** Generative/predict modeling & infrastructure

➔ **Data Management:** Large scaled structured & unstructured data processing, encryption, & storage

➔ **Legacy Systems & Digital Transformation:** Cloudification, digitization of workflow, & virtualization

➔ **Software Development:** Moving of SOA & the addition of DevOps

➔ **Workforce Mobility:** Enhanced collaboration tools, VDI, enhanced security, & more.

All critical factors for large financial institutions to consider in a Be Your Own Provider (BYOP) model

Data storage needs have grown by **50-100%** in the past three years

Outages can cost an average of **$9.2** million per hour

TECHNOLOGY & WORKFORCE PRESSURE POINT

People resources are not keeping pace with demand. Limited staff and small talent pools can make achieving lofty technology goals even more challenging.
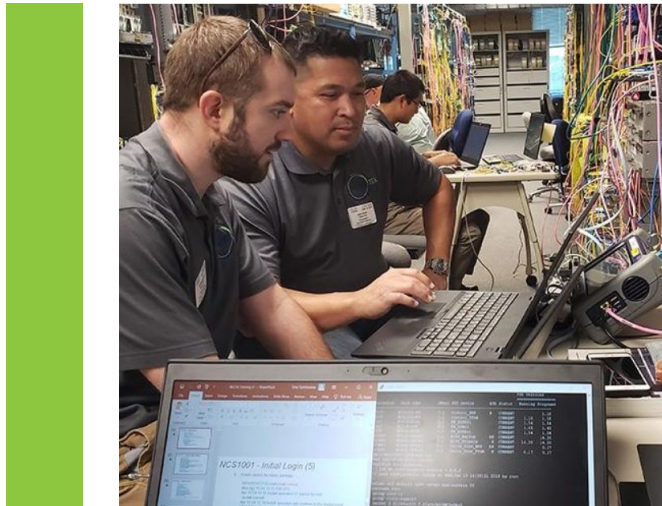
General Talent Shortage

The number of IT/engineering jobs is quickly outpacing the number of qualified workers

Retention Challenges

IT professionals increasingly demand opportunities for growth and upskilling

Shrinking Experienced Workforce

Due to high turnover during the "Great Resignation," and an overall aging workforce

Impact of Remote Work

Workers prioritize flexibility as Hybrid and remote is demanded

WORKFORCE NEEDS IN BYOP ENVIRONMENTS

The talent gaps and limited resources are compounded by the team needed to plan, deploy and manage a carrier class private network.

Planning Team

Network Architects & **Developers** to build the products and services that shape the future of your business

Engineering Team

Network Engineers to implement planning projects

Sustaining Engineers to manage existing brownfield maintenance and support

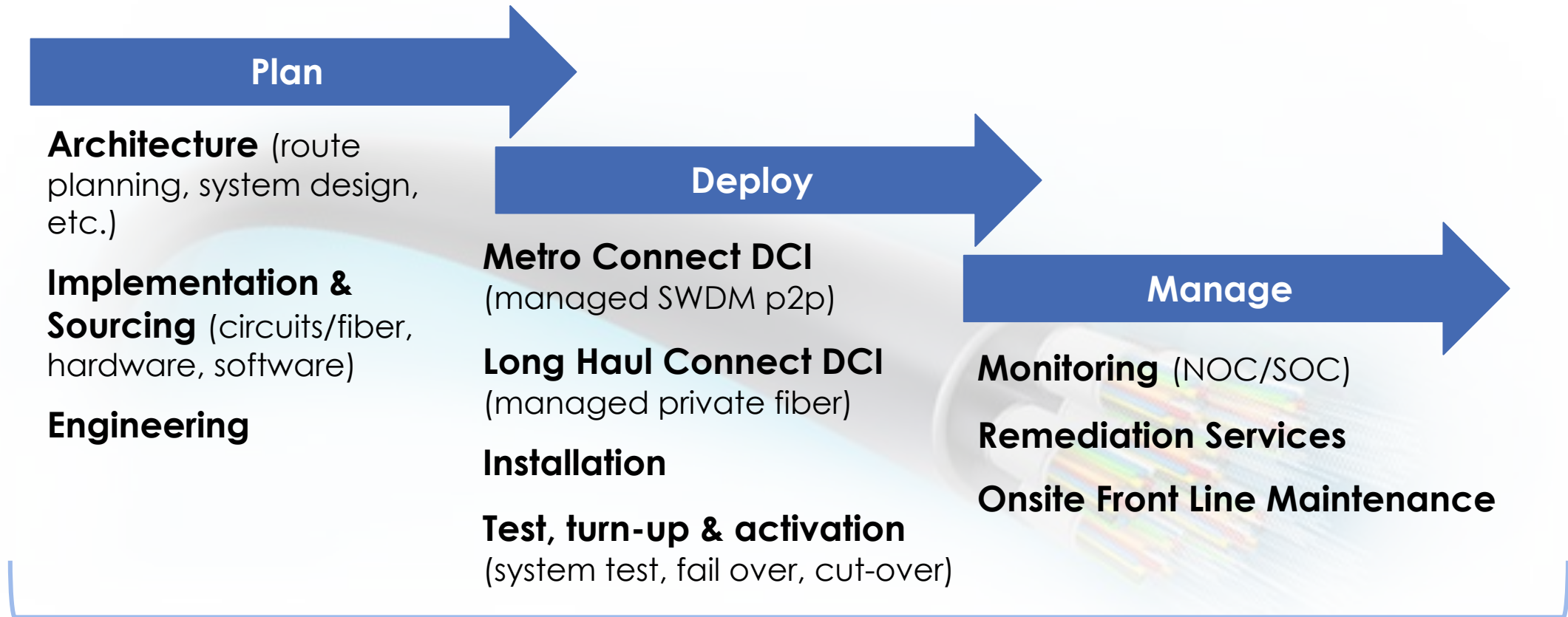**DevOps** to supports the development infrastructure

Operations Team

NOC to provide Tier 1 and 2 technical support 24x7

Field teams to provide remote support to Ops for troubleshooting & engineering for implementation & after hour support

FILLING THE VOID TO DELIVER PRIVATE NETWORKS

At your side from the start, providing services tailored to your exact goals and objectives to deliver a homogenous private network.
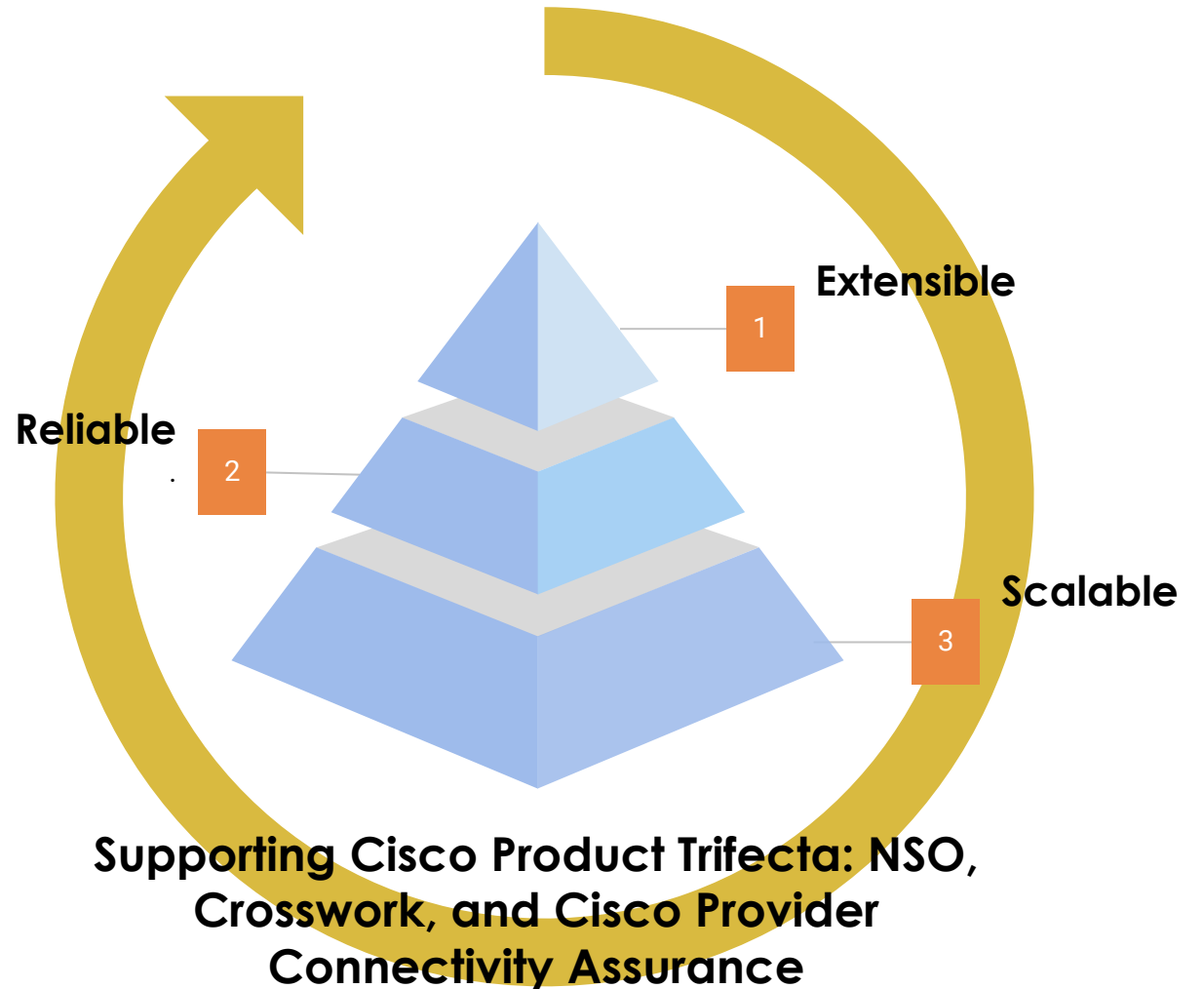
Plan

Architecture (route planning, system design, etc.)

Implementation & Sourcing (circuits/fiber, hardware, software)

Engineering

Deploy

Metro Connect DCI (managed SWDM p2p)

Long Haul Connect DCI (managed private fiber)

Installation

Test, turn-up & activation (system test, fail over, cut-over)

Manage

Monitoring (NOC/SOC)

Remediation Services

Onsite Front Line Maintenance

Single partnership to care for your needs - saving costs, speeding decisions and action

INTELLIGENT NETWORKS REQUIRE INTELLIGENCE TOOLS

Network Infrastructures continue to increase in size, complexity, and scope and require modern tools to optimize efficiency as they scale.

Deploying a carrier-class private network allows you to apply these tools for your own benefit and provide additional command and control.

Extensible

1

Reliable

2

Scalable

3

Supporting Cisco Product Trifecta: NSO, Crosswork, and Cisco Provider Connectivity Assurance

LET'S CONNECT

Interesting in learning more, let's connect!

An introductory, consultation is the best way to take the next step.

Ryan Young

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